

Monitor

- 3 System unit
- Speaker

7 Keyboard

2 Modem

4 Mouse

6 Printer

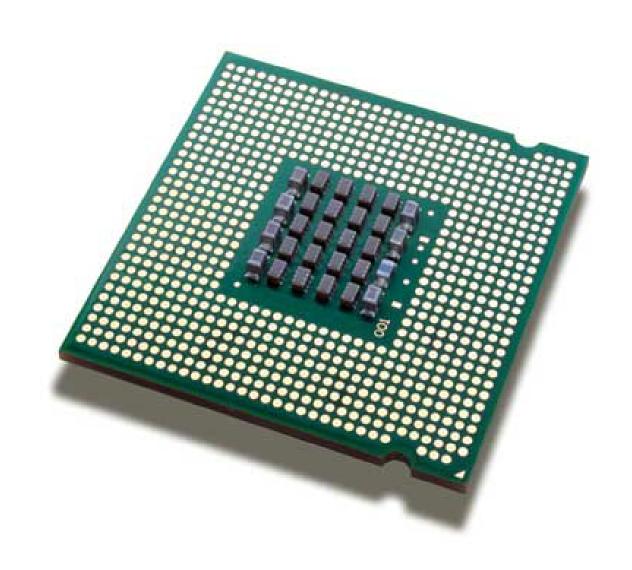
Examples of Manual Input Devices



NOTES

- **Note:** The most common use keyboard is the QWERTY keyboard. Generally standard Keyboard has 104 keys
- RAM (Random Access Memory)
- ROM (Read Only Memory)

Central Processing Unit (CPU)



Secondary Memory

- Main Examples
- 1- Hard Disk
- 2- Optical Disk
- 3- Flash memory

Hard Disk

• Called Disk drive or (HDD)



optical disc drive



- uses laser light to store data
- There are three main types of optical media:
- 1- CD "Compact Disk" can store up to 700MB
- 2- DVD "Digital Video Disk "can store up to 8.4 GB
- 3- Blu-ray disc. can store up to 50 GB

Output devices Examples

• 1- A monitor



LCD: Liquid crystal display



CRT: Cathode Ray Tube

Output devices Examples

• 2- Printer







Ink Jet Printer



Dot Matrix Printer

Unit of Measurements - Storage

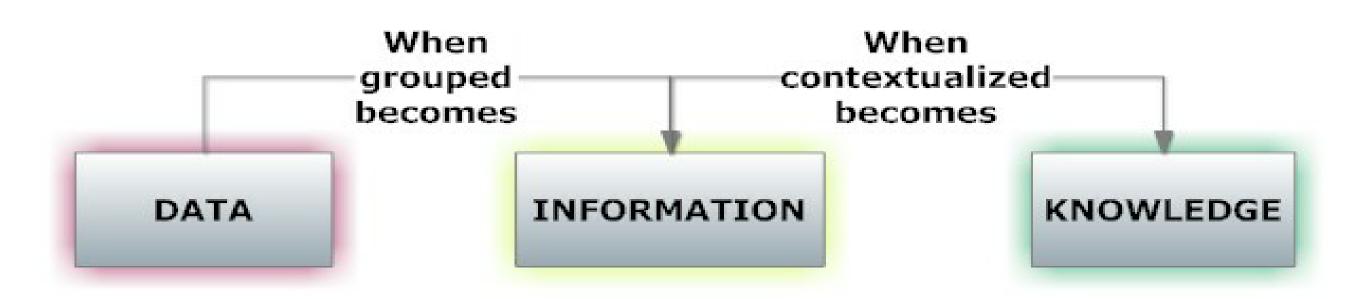
Storage Units		
Bit	BIT	0 or 1
Byte	В	8 bits
Kilobyte	KB	1024 bytes
Megabyte	MB	1024 kilobytes
Gigabyte	GB	1024 megabytes
Terabyte	TB	1024 gigabytes

Unit of Measurement -Speed

- The speed of CPU measured by unit called Hertz (Hz)
- 1 Hz represent 1 cycle per second.

CPU SPEED MEASURES		
1 hertz or Hz	1 cycle per second	
1 MHz	1 million cycles per second or 1000 Hz	
1 GHz	1 billion cycles per second or 1000 MHz	

Data, Information and Knowledge



- Words
- Images
- Numbers



- Purpose
- Meaning
- Process



- Structure
- Growth
- System



Viruses

- A computer virus is an application program designed and written to destroy other programs.
- Examples :
- 1- E-mail viruses
- 2- Trojan horses
- 3- Worms